



GE Silicones

MATERIAL SAFETY DATA SHEET

GE284 3TG-TUBE(0.198LBS-0.090KG)

Trade Name SILICONE SEALANT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By **GES Waterford Plant**
260 Hudson River Rd
Waterford NY 12188

Revised: 10/22/2003

Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS

Chemical Family/Use: Sealant

Formula: Mixture

CHEMTREC 1-800-424-9300

HMIS

FLAMMABILITY	1	REACTIVITY	0	HEALTH	1
--------------	---	------------	---	--------	---

NFPA

FLAMMABILITY	1	REACTIVITY	0	HEALTH	1
--------------	---	------------	---	--------	---

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
----------------------------	--------------------	---------------

A. HAZARDOUS

Hexamethyldisilazane	999-97-3	1 - 5 %
Methyltrimethoxysilane	1185-55-3	1 - 5 %
Distillates, petroleum, hydrotreated light	64742-47-8	5 - 10 %

B. NON-HAZARDOUS

Treated Fumed Silica	68583-49-3	10 - 30 %
Polydimethylsiloxane	63148-62-9	10 - 30 %
Methoxypolydimethylsiloxane	68037-58-1	60 - 90 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING! Harmful by inhalation, in contact with skin and if swallowed. May cause skin, eye, and stomach irritation. May cause central nervous system depression. Refer to other MSDS sections for detailed information.

Solid Translucent ammonia



GE Silicones

MATERIAL SAFETY DATA SHEET

GE284 3TG-TUBE(0.198LBS-0.090KG)

Trade Name

SILICONE SEALANT

POTENTIAL HEALTH EFFECTS :

INGESTION :

May be harmful if swallowed. May cause stomach discomfort. May cause central nervous system effects. May cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Not an anticipated route of exposure.

SKIN :

Skin irritation is possible after contact with the uncured product. Uncured product contact will irritate lips, gums and tongue. May cause mild skin irritation. May be absorbed through skin and produce effects as listed under "Ingestion".

INHALATION :

Cause mild respiratory tract irritation. Applies in uncured state. May also cause other effects as listed under "Ingestion".

EYES :

Eye irritation on contact with the uncured product. May cause mild eye irritation.

MEDICAL CONDITIONS AGGRAVATED

Pre-existing skin or respiratory diseases.

SUBCHRONIC (TARGET ORGAN) :

Skin Central nervous system

CHRONIC EFFECTS / CARCINOGENICITY :

This space reserved for special use. This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

ROUTES OF EXPOSURE :

Inhalation dermal Eyes Oral.

OTHER :

This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for formaldehyde is available from GE Silicones.

4. FIRST AID MEASURES

INGESTION :

Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.



GE Silicones

MATERIAL SAFETY DATA SHEET

GE284 3TG-TUBE(0.198LBS-0.090KG)

Trade Name SILICONE SEALANT

SKIN :

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water. Get medical attention if irritation persists.

INHALATION :

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

EYES :

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN :

None known.

5. FIRE-FIGHTING MEASURES

FLASH POINT

METHOD:

NA

IGNITION TEMPERATURE

Unknown

FLAMMABLE LIMITS IN AIR - LOWER (%)

NA

FLAMMABLE LIMITS IN AIR - UPPER (%)

NA

SENSITIVITY TO MECHANICAL IMPACT:

No

SENSITIVITY TO STATIC DISCHARGE :

Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA :

All standard firefighting media

SPECIAL FIRE FIGHTING PROCEDURES :

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED :

Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.



GE Silicones

MATERIAL SAFETY DATA SHEET

GE284 3TG-TUBE(0.198LBS-0.090KG)

Trade Name SILICONE SEALANT

7. HANDLING AND STORAGE

STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid contact with skin and eyes. Product releases methanol during application and curing. Use mechanical ventilation to stay below TLV of 25 ppm ammonia. Keep container tightly closed. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation. Store away from heat, sources of ignition, and incompatibles. Keep away from children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS :

Eyewash stations Showers

RESPIRATORY PROTECTION:

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

PROTECTIVE GLOVES :

Cloth gloves.

EYE AND FACE PROTECTION :

Safety glasses

OTHER PROTECTIVE EQUIPMENT :

Wear suitable protective clothing and eye/face protection.

Exposure Guidelines

<u>Chemical</u>	<u>CAS REG NO.</u>	<u>ACGIH</u>	<u>OSHA</u>	<u>Supplier</u>
------------------------	---------------------------	---------------------	--------------------	------------------------

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F	NA
VAPOR PRESSURE (20 C) (MM HG) :	NA
VAPOR DENSITY (AIR=1) :	
FREEZING POINT:	NA
MELTING POINT :	NA
PHYSICAL STATE:	Solid



GE Silicones

MATERIAL SAFETY DATA SHEET

GE284 3TG-TUBE(0.198LBS-0.090KG)

Trade Name SILICONE SEALANT

ODOR:	ammonia
COLOR :	Translucent
EVAPORATION RATE (BUTYL ACETATE=1):	
SPECIFIC GRAVITY (WATER=1) :	ca. 1.05
DENSITY (KG/M3) :	ca. 1,050 KG/M3
ACID / ALKALINITY (MEQ/G) :	NA
pH	NA
VOLATILE ORGANIC CONTENT (VOL)	NA
SOLUBILITY IN WATER (20 C) :	Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT) :	PARTIAL IN TOLUENE
VOC EXCL. H2O & EXEMPTS (G/L) :	27.00

10. STABILITY AND REACTIVITY

STABILITY :
Stable

HAZARDOUS POLYMERIZATION :
WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS :
Methanolcarbon dioxide (CO2)formaldehydeCarbon monoxideammoniaSilicon dioxide.

INCOMPATIBILITY (MATERIALS TO AVOID)
None known.

CONDITIONS TO AVOID :
None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL:
Unknown

ACUTE DERMAL:
Unknown

ACUTE INHALATION:
Unknown

OTHER:
None



GE Silicones

MATERIAL SAFETY DATA SHEET

GE284 3TG-TUBE(0.198LBS-0.090KG)

Trade Name

SILICONE SEALANT

SENSITIZATION:

no data available

SKIN IRRITATION

no data available

EYE IRRITATION

no data available

MUTAGENICITY

Unknown

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY

no data available

CHEMICAL FATE

no data available

DISTRIBUTION

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD :

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

Not Regulated if Section is Blank

15. REGULATORY INFORMATION



GE Silicones

MATERIAL SAFETY DATA SHEET

GE284 3TG-TUBE(0.198LBS-0.090KG)

Trade Name SILICONE SEALANT

US Regulatory Information

CERCLA

PRODUCT COMPOSITION

Chemical

CERCLA Reportable Quantity

CLEAN AIR ACT

CLEAN WATER ACT

SARA SECTION 302 :

SARA (311,312) HAZARD CLASS:

Acute Health Hazard

SARA (313) CHEMICALS :

Canadian Regulatory Information

WHMIS HAZARD CLASS :

D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

OTHER:

SCHDLE B/HTSUS:

3214.10 Mastic Based on Rubber

ECCN:

EAR99

CALIFORNIA PROPOSITION 65 :

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

16. OTHER INFORMATION

OTHER :

This product or its components are on the European inventory of existing commercial chemicals (EINECS)....., These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific



GE Silicones

MATERIAL SAFETY DATA SHEET

GE284 3TG-TUBE(0.198LBS-0.090KG)

Trade Name SILICONE SEALANT

context of the intended use and determine whether they are appropriate....., This product or its components are on the Australian inventory (ACQIN), C = ceiling limit NEGL = negligible EST= estimated NF = none found NA = not applicable UNKN = unknown NE = none established REC = recommended ND = none determined V = recomm. By vendor By-product = reaction by SKN = skin product, TSCA inventory TS = trade secret status not required under R = recommended 40 CFR part 720.30(h-2) MST = mist STEL = short term exposure NT = not tested limit.....